**CONCLUSION QUESTIONS:**

**1. What do you think the identity of unknown A is?**

**What is the identity of unknown B? WHY?**

**2. What elements do you think were in your mixture?** **Why?**

**3. What pairs of elements produce similar colors?**

**4. Give at least two reasons why the flame test**

**is sometimes invalid.**

**5. Explain HOW the color of the flame is produced** **or why it is produced. (This will require more than** **a couple of sentences!)**

**6. What would you observe if the colored light from the flame were passed through a spectroscope? What is** **significant about that?**

**7. Which brightline spectrum produced the most lines? What do you think that means about the energy/electrons that the element absorbed?**

**8. Which element had the fewest lines? Why?**

**9. Which element released the highest energy photons? How did you determine this?**